TEMS Automatic 7.2.1

External Release Note

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1. About This Release

Release date: 2010-02-17

Main contents:

- Service Testing over Ethernet. Offers the possibility of testing data services over a wireline connection.
- Passive mode measurements with TEMS Pocket Remote: In passive mode, measurements are made when the phone user engages in a voice call or browses the Web, rather than during similar activity generated by TEMS Automatic for measurement purposes.
- BCH decoding: MTU scanning devices can capture and decode BCH data, which is displayed in TEMS Presentation along with new missing neighbor events derived from this data.
- TCP settings configurable from the Operator Console. It is possible to define TCP settings profiles that will be applied on the MTU. These TCP settings profiles will be possible to view and filter on during post-processing.
- Possible to set from Operator Console if NDIS or RAS shall be used for data connection towards devices.
- Improved installer scripts for ComServer and Operator Console
- For information on TEMS Presentation see "Release notes for TEMS Presentation 1.2, 1/287 01 - FAP 901 0916 Rev A"

Compatibility

- MTU 700
- MTU 750
- HTU 2.0 (K800i)
- HTU 2.1 (K800i)
- TEMS Pocket Remote 6.0 (Z750
- TEMS Pocket Remote 6.3 (W760 and C702)
- TEMS Pocket Remote 7.0.1 (C905a)

2. Corrections

This section includes corrections made in TEMS Automatic 7.2.1.

ID	Summary	Sub sys
QM000029308	Datacard Device restart Correction: Now the "SetRatLock" method does not return false if the device is not implemented.	MTU
QM000029659	MMS send by MTU is rejected by WAP Gateway Correction: Enabled possibility to use other ports.	Application
QM000030548	MTU can't be configured in database. Correction: Added support of MNC = 0.	Database
QM000031074	FTP server (running IIS7) experience 3 minute timeout when the MTU is checking for files. Correction: A message from Microsoft IIS7 FTP server was not handled properly by the TEMS FTP client.	MTU Field Work
QM000031266	Missing roles in table tCDMALBSMeasurement Correction: OC does not try to delete from CDMA tables when running a UMTS system	Operator Console
QM000031703	Qualcomm data card in undefined state, not sending PDP Context Activation Correction: New fault handling for PDP context activation message	Application
QM000032814	Lost PESQ measurements due to resynchronization that is caused by HO Correction: Extended time limit for resync to avoid most resync events.	Application
QM000032853	MTU always gets in unconfigured mode after restart. Correction: Added support of MNC = 0.	Consultation
QM000032937	Possible TEMS Client TCP port issue Correction: The MTU firewall is modified to not block the TCP packets.	Application

This section includes corrections made in TEMS Automatic 7.2.

ID	Summary	Sub sys
QM000024381	Geobase failed due to arithmetic overflow in OLAP cube UMTS_CallSetupTime. -- Code improved to prevent occurrence of overflow.	Call Generator
QM000025964	Not possible for end user to remove only one Call Generator from a server. -- End user rights extended and minor	Call Generator

	changes to user interface implemented in order to enable uninstallation of individual Call Generator instances.	
QM000027264	Blocked call attributed to "Unknown" CGI in statistics, although it occurred in an identifiable cell. -- Reason: CGI was unknown in logfile at the time of the call attempt. Problem solved by adding CGI (if known) to Blocked Call event when RRC Connection Release message causing the block is received.	TLH
QM000027403	RNT files from MTU were sometimes put in the Garbage folder. -- This happened when an MTU had lost track of time (for example, after being upgraded with no GPS coverage). The MTU then timestamped RNT files with a fictitious 2004 date, and the back-end consequently ignored this file in favor of an RNT file with a more recent (but genuine) timestamp previously stored in the database. System behavior now changed to accept an RNT file even if it appears older than the one in the database.	Communication Server
QM000027505	MTU status was given as "On" in Operator Console although MTU had been powered off. -- This happened when the "Transfer at shutdown" option was turned on. The status was not updated correctly after the data transfer was completed. Bug fixed.	Communication Server
QM000027513	RSI: Mobile-to-mobile calls were not reported for the phone device; they only appeared if the serial number of the MTU itself was added in the RSI user interface. -- This has now been fixed so that mobile-to-mobile calls are reported for the phone.	RSI
QM000027560	Area aliases were truncated to 10 characters when processing TEMS Presentation data with Microsoft Excel or Crystal Reports. -- Bug fixed.	Statistics
QM000027798	After upgrading MTU700 software from TA 4.2 to TA 7.0, the MTU was unable to communicate with SIM cards in Sony Ericsson T610 and Siemens MC45. -- Problem solved in MTU upgrade package.	MTU
QM000027836	Call Generator was tagged with red alarm bell even though it had reported no alarms. -- Erroneous handling in Operator Console of the option "Generate Call Generator alarms from latest access" (alarm was turned on by default if the dialog option had never been touched). The code has now been fixed so that the behavior always reflects the setting in the Preferences dialog.	Operator Console
QM000027937	Call Generator online help could not be opened from Help > Contents. -- Bug fixed in application.	Call Generator
QM000027938	Call Generator online help could not be opened from Help > Contents. -- Bug fixed in application.	Call Generator
QM000028057	TEMS Pocket Remote Configuration Guide did not describe how to activate the TEMS Pocket Remote functionality in the phone. -- Information added to document.	Document - Product
QM000028203	Successfully set-up call (with Connect Acknowledge received) was registered as Blocked Call with cause No Network. -- Event generation was faulty; bug fixed.	TLH
QM000028290	Error when trying to schedule incremental processing of	Statistics

	Geobase. -- This error could not be reproduced, and its cause remains doubtful; however, a workaround is as follows: Create a scheduled task manually by pointing out the path to StatApp.exe, which can be found in the TEMS Presentation installation folder. To this scheduled task, add the following parameters: 0 Databaseserver Databasename "Geobasename" "Geobasename" Database Full Username Password The complete command line will look like this: C:\Program Files\Ascom\TEMS Products\TEMS Presentation\Presentation\StatApp.exe 0 <DatabaseServer> <Databasename> "<Geobasename>" "<Geobasename>" Database <Full\Incremental> <Username> <Password> The username and password can be left out if Windows Integrated Security is in use. Example: C:\Program Files\Ascom\TEMS Products\TEMS Presentation\Presentation\StatApp.exe 0 localhost Statistics "My Geobase" "My Geobase" Database Full	

3. Known Bugs and Limitations

This section includes known bugs and limitations in TEMS Automatic 7.2.1.

ID	Summary	Workaround	Subsystem
QM000016331	Modem over the air upgrade contains no validation and is handled as a normal MTU software upgrade. This requires the user to apply the modem upgrade package only to MTU's with the correct HW. Also the software upgrade history will show the normal MTU software in state stopped after an upgrade of the modem firmware even of the MTU software is correctly running.		
QM000021021	Z750 not capable of HSDPA testing at full throughput. Max throughput for HSDPA on Z750 is around 1,5 Mbps, MTU internal limitation		Mobile
QM000022311	GSM scanning sometimes fails on Z750		
QM000022783	MMS testing doesn't work for WAP 2.0.		Configuration
QM000024584	Round-trip times may not agree exactly between IP logs (*.pcap) and TEMS logfiles (*.log). The two major reasons for this are: 1) The temporal resolution of the IP logging is limited (10 ms, message timestamps taken from Windows). 2) Measurements for TEMS logfiles are made in the application layer, i.e. further removed from the hardware than the IP logging which is done at the device driver level. The application layer measurements may also be affected by Windows process scheduling in case of high processing load on the MTU.		MTU
QM000026728	Attach sometimes fails although Layer 3 signaling indicates that the Attach was successful.		Mobile
QM000027047	Lock on band option does not		MTU

	work properly with Option PC Cards. When set to execute a work order with multiple actions defined, each locking on a different GSM band, the PC card does not complete some actions but switches prematurely to the next action.		
QM000027486	C/I data did not display in TEMS Presentation although C/I measurement was activated in the work order. -- Bug fixed but not acknowledged by customer.		MTU
QM000027928	TLH crashes and restarts frequently after being moved to the database server.		TLH
QM000028088	Call Generator channels lock up and cannot be restarted by the Call Generator.		Call Generator
QM000028749	Uploader.exe sometimes fails to upload files to some ftp servers (proftpd)		MTU
QM000028955	Unable to save message, hr 1		Consultation
QM000028957	Call Generator fails to release phone lines, so that many mobile-originated calls are blocked with message "Release Complete cause 44 (Channel not available)".		Call Generator
QM000028963	Due to high processor load on the MTU it is not recommended to do testing on the Ethernet device with IP logging turned on at the same time as doing other measurments on the mobile or the data card. It is okay to run measurements on the Ethernet device at the same time as the other devices as long as IP logging is not turned on.		MTU
QM000029173	We found mismatches earlier in the database - the pointer seems to be not valid.		Logfile Handler

4. Contact Information

For customer support contact information, please visit our website on the Internet: www.tems.com